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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/582,107

DATE: 11/18/2002

TIME: 12:12:57

Input Set : A:\10496679.app

Output Set: N:\CRF4\11182002\I582107.raw

3 <110> APPLICANT: FORSSMANN, WOLF-GEORG  
 4 STANDKER, LUDGER  
 5 OBENDORF, MAIK  
 6 KLING, LOTHAR  
 7 OPITZ, HANS-GEORG  
 9 <120> TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN FRAGMENTS  
 10 AND THE UTILIZATION THEREOF  
 12 <130> FILE REFERENCE: 10496/P65679USO  
 14 <140> CURRENT APPLICATION NUMBER: 09/582,107  
 15 <141> CURRENT FILING DATE: 2000-08-10  
 17 <150> PRIOR APPLICATION NUMBER: PCT/EP98/08405  
 18 <151> PRIOR FILING DATE: 1998-12-22  
 20 <160> NUMBER OF SEQ ID NOS: 60  
 22 <170> SOFTWARE: PatentIn Ver. 2.1  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 34  
 26 <212> TYPE: PRT  
 27 <213> ORGANISM: Artificial Sequence  
 29 <220> FEATURE:  
 30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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 33 <400> SEQUENCE: 1  
 34 Ala Pro Ser Glu Asp His Ser Ile Leu Trp Asp Ala Ile Ser Thr  
 35 1 5 10 15  
 37 Tyr Asp Gly Ser Lys Ala Leu His Val Thr Asn Ile Lys Lys Trp Lys  
 38 20 25 30  
 40 Glu Pro  
 43 <210> SEQ ID NO: 2  
 44 <211> LENGTH: 22  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Artificial Sequence  
 48 <220> FEATURE:  
 49 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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 52 <400> SEQUENCE: 2  
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 54 1 5 10 15  
 56 Pro Pro Ala Arg Thr Pro  
 57 20  
 60 <210> SEQ ID NO: 3  
 61 <211> LENGTH: 24  
 62 <212> TYPE: PRT  
 63 <213> ORGANISM: Artificial Sequence

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65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
67     peptide
69 <400> SEQUENCE: 3
70 Gly Lys Gly Gly Lys His His Leu Gly Leu Glu Glu Pro Lys Lys Leu
71   1       5              10              15
73 Arg Pro Pro Pro Ala Arg Thr Pro
74           20
77 <210> SEQ ID NO: 4
78 <211> LENGTH: 35
79 <212> TYPE: PRT
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
84     peptide
86 <400> SEQUENCE: 4
87 Gly His Ala Lys Asp Ser Gln Arg Tyr Lys Val Asp Tyr Glu Ser Gln
88   1       5              10              15
90 Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys Arg Glu Thr Glu
91           20              25              30
93 Tyr Gly Pro
94           35
97 <210> SEQ ID NO: 5
98 <211> LENGTH: 17
99 <212> TYPE: PRT
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
104     peptide
106 <400> SEQUENCE: 5
107 Lys Val Asn Gly Ala Pro Arg Glu Asp Ala Arg Pro Val Pro Gln Gly
108   1       5              10              15
110 Ser
113 <210> SEQ ID NO: 6
114 <211> LENGTH: 32
115 <212> TYPE: PRT
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
120     peptide
122 <400> SEQUENCE: 6
123 Leu Thr Gln Ser Lys Phe Val Gly Gly Ala Glu Asn Thr Ala His Pro
124   1       5              10              15
126 Arg Ile Ile Ser Ala Pro Glu Met Arg Gln Glu Ser Glu Gln Gly Pro
127           20              25              30
130 <210> SEQ ID NO: 7
131 <211> LENGTH: 41
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial Sequence

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135 <220> FEATURE:  
136 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
137 peptide  
139 <400> SEQUENCE: 7  
140 Pro Gln Ala Gly Thr Ala Arg Pro Gln Asp Val Asn Arg Arg Asp Gln  
141 1 5 10 15  
143 Gln Arg Asn Pro Gly Thr Ser Thr Thr Pro Ser Gln Pro Asn Ser Ala  
144 20 25 30  
146 Gly Val Gln Asp Thr Glu Met Gly Pro  
147 35 40  
150 <210> SEQ ID NO: 8  
151 <211> LENGTH: 27  
152 <212> TYPE: PRT  
153 <213> ORGANISM: Artificial Sequence  
155 <220> FEATURE:  
156 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
157 peptide  
159 <400> SEQUENCE: 8  
160 Arg Ile Glu Leu Tyr Arg Val Val Glu Ser Leu Ala Lys Ala Gln Glu  
161 1 5 10 15  
163 Thr Ser Gly Glu Glu Ile Ser Lys Phe Tyr Leu  
164 20 25  
167 <210> SEQ ID NO: 9  
168 <211> LENGTH: 31  
169 <212> TYPE: PRT  
170 <213> ORGANISM: Artificial Sequence  
172 <220> FEATURE:  
173 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
174 peptide  
176 <400> SEQUENCE: 9  
177 Gln Gln Glu Leu Asp Gln Val Leu Glu Arg Ile Ser Thr Met Arg Leu  
178 1 5 10 15  
180 Pro Asp Glu Arg Gly Pro Leu Glu His Leu Tyr Ser Leu His Ile  
181 20 25 30  
184 <210> SEQ ID NO: 10  
185 <211> LENGTH: 24  
186 <212> TYPE: PRT  
187 <213> ORGANISM: Artificial Sequence  
189 <220> FEATURE:  
190 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
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193 <400> SEQUENCE: 10  
194 Arg Arg Glu Met Glu Asp Thr Leu Asn His Leu Lys Phe Leu Asn Val  
195 1 5 10 15  
197 Leu Ser Pro Arg Gly Val His Ile  
198 20  
201 <210> SEQ ID NO: 11  
202 <211> LENGTH: 27  
203 <212> TYPE: PRT

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204 <213> ORGANISM: Artificial Sequence  
 206 <220> FEATURE:  
 207 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 208 peptide  
 210 <400> SEQUENCE: 11  
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 212 1 5 10 15  
 214 Arg Thr His Glu Asp Leu Tyr Ile Ile Pro Ile  
 215 20 25  
 218 <210> SEQ ID NO: 12  
 219 <211> LENGTH: 24  
 220 <212> TYPE: PRT  
 221 <213> ORGANISM: Artificial Sequence  
 223 <220> FEATURE:  
 224 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 225 peptide  
 227 <400> SEQUENCE: 12  
 228 Arg Arg His Met Glu Ala Ser Leu Gln Glu Leu Lys Ala Ser Pro Arg  
 229 1 5 10 15  
 231 Met Val Pro Arg Ala Val Tyr Leu  
 232 20  
 235 <210> SEQ ID NO: 13  
 236 <211> LENGTH: 24  
 237 <212> TYPE: PRT  
 238 <213> ORGANISM: Artificial Sequence  
 240 <220> FEATURE:  
 241 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 242 peptide  
 244 <400> SEQUENCE: 13  
 245 Arg Arg His Leu Asp Ser Val Leu Gln Gln Leu Gln Thr Glu Val Tyr  
 246 1 5 10 15  
 248 Arg Gly Ala Gln Thr Leu Tyr Val  
 249 20  
 252 <210> SEQ ID NO: 14  
 253 <211> LENGTH: 9  
 254 <212> TYPE: PRT  
 255 <213> ORGANISM: Artificial Sequence  
 257 <220> FEATURE:  
 258 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 259 peptide  
 261 <400> SEQUENCE: 14  
 262 Asn Lys Asn Gly Phe Tyr His Ser Arg  
 263 1 5  
 266 <210> SEQ ID NO: 15  
 267 <211> LENGTH: 9  
 268 <212> TYPE: PRT  
 269 <213> ORGANISM: Artificial Sequence  
 271 <220> FEATURE:  
 272 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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273 peptide  
275 <400> SEQUENCE: 15  
276 Asp Lys His Gly Leu Tyr Asn Leu Lys  
277 1 5  
280 <210> SEQ ID NO: 16  
281 <211> LENGTH: 9  
282 <212> TYPE: PRT  
283 <213> ORGANISM: Artificial Sequence  
285 <220> FEATURE:  
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
287 peptide  
289 <400> SEQUENCE: 16  
290 Asp Lys Lys Gly Phe Tyr Lys Lys Lys  
291 1 5  
294 <210> SEQ ID NO: 17  
295 <211> LENGTH: 9  
296 <212> TYPE: PRT  
297 <213> ORGANISM: Artificial Sequence  
299 <220> FEATURE:  
300 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
301 peptide  
303 <400> SEQUENCE: 17  
304 Asp Arg Asn Gly Asn Phe His Pro Lys  
305 1 5  
308 <210> SEQ ID NO: 18  
309 <211> LENGTH: 9  
310 <212> TYPE: PRT  
311 <213> ORGANISM: Artificial Sequence  
313 <220> FEATURE:  
314 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
315 peptide  
317 <400> SEQUENCE: 18  
318 Asp Arg Lys Gly Phe Tyr Lys Arg Lys  
319 1 5  
322 <210> SEQ ID NO: 19  
323 <211> LENGTH: 9  
324 <212> TYPE: PRT  
325 <213> ORGANISM: Artificial Sequence  
327 <220> FEATURE:  
328 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
329 peptide  
331 <400> SEQUENCE: 19  
332 Asp His Arg Gly Phe Tyr Arg Lys Arg  
333 1 5  
336 <210> SEQ ID NO: 20  
337 <211> LENGTH: 10  
338 <212> TYPE: PRT  
339 <213> ORGANISM: Artificial Sequence  
341 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/582,107

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:54; Xaa Pos. 18  
Seq#:60; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22  
Seq#:60; Xaa Pos. 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41  
Seq#:60; Xaa Pos. 43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61  
Seq#:60; Xaa Pos. 62,63,64,65,66,67,68,69,70,71,72,73,77,78,79,80,81,82,83  
Seq#:60; Xaa Pos. 84,85,88,89,90,91,92,93,94,95,96,97,102,103,104,105,106  
Seq#:60; Xaa Pos. 107,108,109,110,111,112,113,114,115,116,117,118,119,120  
Seq#:60; Xaa Pos. 121,122,123,124,125,127,128,129,130,131,132,133,134,135  
Seq#:60; Xaa Pos. 136,137,138